SEQUENCE LISTING

#5

<110> Hovanessian, Ara
Callebaut, Christian
Krust, Bernard
Jacotot, Etienne
Muller, Sylviane
Briand, Jean-Paul
Guichard, Giles

> A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,
THERAPEUTIC AND DIAGNOSTIC USES.

<130> 03495.0166-01000

<140> 09/393,302
<141> 1999-09-10

<150> PCT/EP98/01409
<151> 1998-03-12

<150> 60/040,969
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<170> PatentIn Ver. 2.1

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<213> Human immunodeficiency virus

<400> 11
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<213> Homo sapiens

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            35   40   45

Pro Gln Lys Lys Gly Lys Lys Ala Ala Ala Thr Ser Ala Lys Lys Val
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Val Val Ser Pro Thr Lys Lys Val Ala Val Ala Thr Pro Ala Lys Lys
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Thr Val Thr Pro Ala Lys Ala Val Thr Thr Pro Gly Lys Lys Gly Ala
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Glu Ala Met Glu Thr Thr Pro Ala Lys Gly Lys Lys Ala Ala Lys Val
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Val Pro Val Lys Ala Lys Asn Val Ala Glu Asp Glu Asp Glu Glu Glu
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Val Lys Glu Ala Pro Gly Lys Arg Lys Lys Glu Met Ala Lys Gln Lys
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Pro Glu Leu Lys Thr Gly Ile Ser Asp Val Phe Ala Lys Asn Asp Leu
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Ala Val Val Asp Val Arg Ile Gly Met Thr Arg Lys Phe Gly Tyr Val
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Asp Phe Glu Ser Ala Glu Asp Leu Glu Lys Ala Leu Glu Leu Thr Gly
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Leu Lys Val Phe Gly Asn Glu Ile Lys Leu Glu Lys Pro Lys Gly Lys
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Gly Glu Lys Gly Gln Asn Gln Asp Tyr Arg Gly Gly Lys Asn Ser Thr
465             470             475             480

Trp Ser Gly Glu Ser Lys Thr Leu Val Leu Ser Asn Leu Ser Tyr Ser
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Ala Thr Glu Glu Thr Leu Gln Glu Val Phe Glu Lys Ala Thr Phe Ile
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Lys Val Pro Gln Asn Gln Asn Gly Lys Ser Lys Gly Tyr Ala Phe Ile
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Glu Phe Ala Ser Phe Glu Asp Ala Lys Glu Ala Leu Asn Ser Cys Asn
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Lys Arg Glu Ile Glu Gly Arg Ala Ile Arg Leu Glu Leu Gln Gly Pro
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Arg Gly Ser Pro Asn Ala Arg Ser Gln Pro Ser Lys Thr Leu Phe Val
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Lys Gly Leu Ser Glu Asp Thr Thr Glu Glu Thr Leu Lys Glu Ser Phe
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Asp Gly Ser Val Arg Ala Arg Ile Val Thr Asp Arg Glu Thr Gly Ser
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Ser Lys Gly Phe Gly Phe Val Asp Phe Asn Ser Glu Glu Asp Ala Lys
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Glu Ala Met Glu Asp Gly Glu Ile Asp Gly Asn Lys Val Thr Leu Asp
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Arg Gly Gly Phe Gly Gly Arg Gly Gly Gly Arg Gly Gly Arg Gly Gly
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Phe Gly Gly Arg Gly Arg Gly Gly Phe Gly Gly Arg Gly Gly Phe Arg
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<210> 24
<211> 249
<212> PRT
<213> Homo sapiens

<400> 24

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Lys Leu Glu Gly Leu Thr Asp Glu Phe Glu Glu Leu Glu Phe Leu Ser
         35                  40                  45

Thr Ile Asn Val Gly Leu Thr Ser Ile Ala Asn Leu Pro Lys Leu Asn
     50                  55                  60

Lys Leu Lys Lys Leu Glu Leu Ser Asp Asn Arg Val Ser Gly Gly Leu
 65                  70                  75                  80

Glu Val Leu Ala Glu Lys Cys Pro Asn Leu Thr His Leu Asn Leu Ser
                 85                  90                  95

Gly Asn Lys Ile Lys Asp Leu Ser Thr Ile Glu Pro Leu Lys Lys Leu
                100                 105                 110

Glu Asn Leu Lys Ser Leu Asp Leu Phe Asn Cys Glu Val Thr Asn Leu
            115                 120                 125

Asn Asp Tyr Arg Glu Asn Val Phe Lys Leu Leu Pro Gln Leu Thr Tyr
        130                 135                 140

Leu Asp Gly Tyr Asp Arg Asp Asp Lys Glu Ala Pro Asp Ser Asp Ala
145                 150                 155                 160

Glu Gly Tyr Val Glu Gly Leu Asp Asp Glu Glu Glu Asp Glu Asp Glu
                165                 170                 175

Glu Glu Tyr Asp Glu Asp Ala Gln Val Val Glu Asp Glu Glu Asp Glu
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Asp Glu Glu Glu Glu Gly Glu Glu Glu Asp Val Ser Gly Glu Glu Glu
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Glu Asp Glu Glu Gly Tyr Asn Asp Gly Glu Val Asp Asp Glu Glu Asp
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Glu Glu Glu Leu Gly Glu Glu Glu Arg Gly Gln Lys Arg Lys Arg Glu
225   230   235   240

Pro Glu Asp Glu Gly Glu Asp Asp Asp
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<212> DNA
<213> Homo sapiens

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<210> 26
<211> 277
<212> PRT
<213> Homo sapiens

<400> 26
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         20   25   30

Glu His Ile Asp Glu Val Gln Asn Glu Ile Asp Arg Leu Asn Glu Gln
        35   40   45

Ala Ser Glu Glu Ile Leu Lys Val Glu Gln Lys Tyr Asn Lys Leu Arg
    50   55   60

Gln Pro Phe Phe Gln Lys Arg Ser Glu Leu Ile Ala Lys Ile Pro Asn
65   70   75   80

Phe Trp Val Thr Thr Phe Val Asn His Pro Gln Val Ser Ala Leu Leu
                85   90   95

Gly Glu Glu Asp Glu Glu Ala Leu His Tyr Leu Thr Arg Val Glu Val
            100   105   110

Thr Glu Phe Glu Asp Ile Lys Ser Gly Tyr Arg Ile Asp Phe Tyr Phe
        115   120   125

Asp Glu Asn Pro Tyr Phe Glu Asn Lys Val Leu Ser Lys Glu Phe His
        130   135   140

Leu Asn Glu Ser Gly Asp Pro Ser Ser Lys Ser Thr Glu Ile Lys Trp
145   150   155   160

Lys Ser Gly Lys Asp Leu Thr Lys Arg Ser Ser Gln Thr Gln Asn Lys
                165   170   175

Ala Ser Arg Lys Arg Gln His Glu Glu Pro Glu Ser Phe Phe Thr Trp
            180   185   190

Phe Thr Asp His Ser Asp Ala Gly Ala Asp Glu Leu Gly Glu Val Ile
        195   200   205

Lys Asp Asp Ile Trp Pro Asn Pro Leu Gln Tyr Tyr Leu Val Pro Asp
    210   215   220

Met Asp Asp Glu Glu Gly Glu Gly Glu Glu Asp Asp Asp Asp Asp Glu
225   230   235   240

Glu Glu Glu Gly Leu Glu Asp Ile Asp Glu Glu Gly Asp Glu Asp Glu
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Gly Glu Glu Asp Glu Asp Asp Asp Glu Gly Glu Glu Gly Glu Glu Asp
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Glu Gly Glu Asp Asp
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<211> 924
<212> DNA
<213> Homo sapiens

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gaccattctg atgcaggtgc tgatgagtta ggagaggtca tcaaagatga tatttggcca 660
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<211> 2518
<212> DNA
<213> Homo sapiens

<400> 28
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<212> PRT
<213> Human immunodeficiency virus

<400> 29
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<210> 30
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 30
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<210> 31
<211> 16
<212> PRT
<213> Homo sapiens

<400> 31
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<210> 32
<211> 15
<212> PRT
<213> Homo sapiens

<400> 32
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  1   5   10   15